

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20070121696"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:26
S2	0	@ad<="20041104" and (257/079).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:27
S3	1631	@ad<="20041104" and (257/79).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:27
S4	2379	@ad<="20041104" and (257/99).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:29

S6	2535	@ad<="20041104" and (257/98).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:29
S7	2	"20040012958"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:31
S8	2	("6898340").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/07 09:31
S9	349	@ad<="20041104" and (362/241).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:33
S10	328	@ad<="20041104" and (257/E33.06).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:34

S11	700	@ad<="20041104" and (257/E33.065).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:34
S12	989	@ad<="20041104" and (257/E33.066).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:35
S13	760	@ad<="20041104" and (257/E33.068).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:36
S14	576	@ad<="20041104" and (257/E33.072).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:36
S15	287	@ad<="20041104" and (257/E33.074).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:37

S16	603	@ad<="20041104" and (257/E33.075).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:37
S17	4427	@ad<="20041104" and (385/14).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 09:50
S18	6	("20030042505"   "20030183835"   "5900650"   "6426512"   "6825499").PN. OR ("6898340").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/07 09:52
S19	29	@ad<="20041104" and "light emitting element" and mount\$4 with substrate with silicon with single	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 10:00
S20	12	@ad<="20041104" and "light emitting element" and mount\$4 with substrate with silicon with reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 10:01

S21	65	@ad<="20041104" and ("light emitting element" or "light emitting device") and mount\$4 with substrate with silicon with single	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 10:03
S22	88	@ad<="20041104" and single with silicon with mount\$4 and ("light emitting element" or "light emitting device")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 10:04
S23	69	@ad<="20041104" and single with silicon with mount\$4 and ("light emitting element" or "light emitting device") and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 10:04
S24	1077	@ad<="20041104" and single with silicon with substrate and ("light emitting element" or "light emitting device")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 10:12
S25	245	@ad<="20041104" and single with silicon with substrate same ("light emitting element" or "light emitting device")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 10:12

S26	100	@ad<="20041104" and single with silicon with substrate same ("light emitting element" or "light emitting device") and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 10:13
S27	917	@ad<="20041104" and (257/E31.117).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 14:31
S28	540	@ad<="20041104" and (257/E31.127).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 14:31
S29	23	"20010040245"   "20020123164"   "20030006418"   "20040056260"   "4918497"   "4966862"   "5027168"   "5210051"   "5338944"   "5393993"   "5416342"   "5523589"   "5604135"   "5631190"   "5739554"   "5912477"   "6084175"   "6120600"   "6187606"   "6201262"	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/07 15:02

		"6214107"   "6885033"   "6893892").PN. OR ("7202181").URPN.				
S31	848	@ad<="20041104" and (257/98).ccls. and mount \$4 and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:13
S32	2	"jp 07007184"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:18
S33	471	"WATANABE" and "OMRON"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:21
S34	56	"WATANABE" and "OMRON" and "light emitting"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:21

S35	171	@ad<="20041104" and submount\$4 with substrate same ("light emitting element" or "light emitting device" or "LED") and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:42
S37	53	@ad<="20041104" and "mounting substrate" same ("light emitting element" or "light emitting device" or "LED") with reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 05:00
S38	159	@ad<="20041104" and mount\$4 with substrate with silicon same ("light emitting element" or "light emitting device" or "LED") and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 05:07
S39	141	@ad<="20041104" and mount\$4 with substrate with silicon same reflect\$3 and ("light emitting element" or "light emitting device" or "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 05:07

S40	59	@ad<="20041104" and "KUZUHARA" and "MATSUSHITA" and ("light emitting element" or "light emitting device" or "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 05:42
S41	87	@ad<="20041104" and "mounting substrate" with reflect\$4 with surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 05:48
S42	6	("20030042505"   "20030183835"   "5900650"   "6426512"   "6825499").PN. OR ("6898340").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/08 05:53
S43	0	"EP 0413489"	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/08 05:56
S44	0	"EP 413489"	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/08 05:56
S45	0	"EP 00413489"	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/08 05:56
S46	17	@ad<="20041104" and submount with single with silicon and ("light emitting element" or "light emitting device" or "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 05:57

S47	191	"Ishii Yorishige" and SHARP	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 05:59
S50	86	@ad<="20041104" and packag\$4 same optical same silicon with substrate and reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 06:07
S56	561	@ad<="20041104" and mount\$4 with substrate and receiv\$3 with ("light emitting element" or "light emitting device" or "LED") with reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 06:17
S57	34	@ad<="20041104" and mount\$4 with substrate with silicon and receiv\$3 with ("light emitting element" or "light emitting device" or "LED") with reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 06:19

S58	5	("20020163001"   "20020163006"   "20030189830"   "6501103").PN. OR ("6930332").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/08 06:29
S59	9	("20020130326"   "20020195935"   "20030006469"   "20030008431"   "20030038295"   "5998925"   "6069440"   "6252254"   "6734466"). PN. OR ("6909123"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/08 06:31
S60	545	@ad<="20041104" and (257/98).ccls. and silicon with substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 06:46
S61	621	@ad<="20041104" and (257/98).ccls. and reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 06:48

S62	77	("20020123164"   "2003006418"   "20030032212"   "20030067264"   "20030080341"   "20030098459"   "20030153861"   "20030173575"   "20040041222"   "20040041757"   "20040056260"   "20040079957"   "20040095738"   "20040211970"   "20040222433"   "4042552"   "4107238"   "4141941"   "4562018"   "4650922"   "4794048"   "4826424"   "4918497"   "4935665"   "4966862"   "5024966"   "5027168"   "5087949"   "5110278"   "5143660"   "5210051"   "5277840"   "5298768"   "5338944"   "5374668"   "5393993"   "5416342"   "5523589"   "5604135"   "5631190"   "5739554"   "5753730"   "5813753"	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/08 06:50
-----	----	---	------------------------	----	----	------------------

		"5851063"   "5858278"   "5882553"   "5912477"   "5959316"   "5968422"   "6060729"   "6066861"   "6069440"   "6120600"   "6156242"   "6177688"   "6184544"   "6187606"   "6201262"   "6219223"   "6252254"   "6329676"   "6373188"   "6383417"   "6391231"   "6404125"   "6480389"   "6498355"   "6531328"   "6562643"   "6599768"   "6639356"   "6686609"   "6707069"   "6744077"   "6783362"   "6791151"   "6824294"). PN. OR ("7183587"). URPN.			
S63	48	@ad<="20041104" and ("light emitting element" or "light emitting device" or "LED") same reflector with (dielectric or insulat\$4) with metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON 2007/09/08 08:36

S64	10	@ad<="20041104" and ("light emitting element" or "light emitting device" or "LED") same reflector with (dielectric or insula\$4) with "reflective metal"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 08:36
S65	46	@ad<="20041104" and reflector with (dielectric or insula\$4) with "reflective metal"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 08:45
S66	2	("5169229").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/08 08:49
S67	12	("4322130"   "5007710"). PN. OR ("5169229"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/08 08:51
S68	711	@ad<="20041104" and reflect\$4 with (dielectric or insula\$4) with "reflective metal"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 14:05

S69	64	@ad<="20041104" and reflector same (dielectric or insulat\$4) with "reflective metal"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/08 14:06
-----	----	---	---	----	----	---------------------

9/8/07 5:04:40 PM

C:\Documents and Settings\tle10\My Documents\EAST\Workspaces\Packaging, Flip Chip, BGA, Solder Ball, Bonding Pad, Testing\10579008 packaging submount LED 257.wsp